

ABSTRACT OF THE DISCLOSURE

A scaffold for tissue culture and cell culture and for producing implant materials, in particular bone, cartilage or skin replacements or extra-corporal organ replacements or for other applications in medicine or biotechnology is made of biocompatible materials. It has at least one base material which is electrostatically flocked with fibers on at least one side. Through the electrostatic flocking the fibers are arranged almost perpendicularly on the surface of the base material and exhibits a high fiber pull-out resistance. The scaffold provides an elastic growth lattice, which is stable against compression, for cell colonization in vitro or the ingrowth of cells in vivo. Implants or implant materials can be produced with the scaffold.